Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/20/2019 12:16 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124209	-1	1.07	124238	1.08
Blue	F	SSC	125000	125103	0	1.53	125854	1.46
Blue	E	FITC	16122	15801	-2	2.65	345	19.68
Blue	D	PE	29316	28841	-2	1.79	629	14.75
Blue	B	PerCP-Cy5-5	42590	42077	-2	3.52	1137	19.90
Blue	A	PE-Cy7	33146	33283	0	6.02	626	40.14
Red	C	APC	45473	45366	-1	2.43	1603	12.09
Red	A	APC-Cy7	31961	30969	-4	2.37	815	11.99
Violet	B	V450	7914	7574	-5	4.83	456	13.16
Violet	A	V500	29769	28560	-5	4.77	672	10.67

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21109	3.11	605	5	N/A	N/A	Pass
Blue	F	SSC	56996	0.96	549	11	N/A	N/A	Pass
Blue	E	FITC	64	63.54	539	2	0.0214	185	Pass
Blue	D	PE	131	49.99	541	4	0.1620	274	Pass
Blue	B	PerCP-Cy5-5	207	49.06	643	5	0.0094	58	Pass
Blue	A	PE-Cy7	117	100.12	697	6	0.0115	20	Pass
Red	C	APC	381	25.18	586	7	0.0245	145	Pass
Red	A	APC-Cy7	179	28.66	561	5	0.0055	904	Pass
Violet	B	V450	80	48.82	466	6	0.0433	1650	Pass
Violet	A	V500	102	32.79	478	6	0.0235	789	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.40	-31.71	0.99
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.53
Red	15.98	13.60 - 20.40	N/A	N/A	29.44	29.68	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11983

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments